

A B S T R A C T

A METHOD AND APPARATUS FOR MONITORING LIVE ELECTRICAL
EQUIPMENT AT HIGH OR MEDIUM VOLTAGE

5 An apparatus for monitoring live electrical equipment at
high or medium voltage, the apparatus comprising:

- at least one sensor unit placed on the equipment,
comprising a first radio antenna, a sensor for producing
a digital signal related to a determined physical
parameter at a point to be monitored, and amplitude-
10 modulation means connected to the sensor and to the first
antenna, and activated by the energy received by said
antenna;

- a transceiver unit placed outside the equipment
and having a second radio antenna for illuminating the
15 first antenna, a power supply source, and signal
processing means connected to the second antenna; and

- the first antenna retransmitting towards the
second antenna the radio wave that has been transmitted
thereby, while simultaneously amplitude-modulating it in
20 response to the output signal of the sensor, said
processing means being arranged to provide a signal
related to said parameter.

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